

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Chuck Penson <penon@sci.mus.mn.us>  
Subject: 1937 Allied catalog sold  
Message-ID: <3288D9D7.6FF8@sci.mus.mn.us>

Thanks to all who replied.

--  
Chuck Penson  
WA7ZZE

penon@sci.mus.mn.us  
612.221.4510 voice  
612.224.5092 fax  
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Michael Hanz <AAFRadio@erols.com>  
Subject: Re: 25 cycle SP-600  
Message-ID: <328979B0.F7@erols.com>

>There were also residential areas with 25 cycle, but I think that  
>would be very uncommon by the era of the SP-600. (It was fairly  
>common in the 1930's.)

Quite right - but it was common overseas in places like the Panama Canal Zone until the 50s. I was the base engineer (PWO) for a Navy base at Coco Solo on the northern end of the canal in the mid seventies, and 25 cycle equipment was still common, working on 60 cycles by then, of course. One of the two main base distribution transformers was a 25 cycle leftover - big as a house! Made me nervous to go near it because it was always belching and boiling...

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: jproc@bellglobal.com  
Subject: Re: 25 cycle SP-600  
Message-ID: <Chameleon.4.01.2.961112104156.jproc@jproc.bellglobal.com>

Here in Ontario, we were using 25 Hz power until 1953-54. I still remember the Hydro folks making the rounds at each house changing fractional

horsepower motors.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
Radio Restoration Volunteer  
HMCS Haida Naval Museum  
Toronto, Ontario  
-----

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: John Shriver <jas@shiva.com>  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <199611122117.QAA17382@shiva-dev.shiva.com>

Umm, no modification is needed to run a 25 cycle set on 50 or 60 cycles. The power transformer needs more iron to run at lower frequencies. But it will still run at the higher ones. (Just like 60 cycle transformers will run on 400 cycle airplanes, but not vice-versa.)

Electrified railroads had a tendency to use 25 cycle power. Perhaps this was originally part of a railroad radio system? The Pennsylvania Railroad was 25 cycle, and had an extensive radio system in the 1950's.

There were also residential areas with 25 cycle, but I think that would be very uncommon by the era of the SP-600. (It was fairly common in the 1930's.)

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <9611122149.AA05482@bock.ih.lucent.com>

OK -- I know about the upwards compatibility of 25 cycle power, but Bob Fowles slipped that in. Maybe he said that just in case the SP600-37 owner found an ordinary 60-Hz xformer in his set.

>From what I've seen here, the biggest user of 25-cycle AC (besides RRs and subways as you correctly stated) was Canada, mostly near the original Niagara Falls hydro plants engineered by Nikola Tesla and Westinghouse. Several VEs have mentioned this.

I have a GE H-51 highboy radio, aka RCA Radiola 80, the first big commercial AM BC superhet, with a 25-Hz PS chassis (the PS and audio output, two P-P 45s, are a separate chassis from the radio tuner, and I'm very glad too!). This was allegedly a Canadian export version, or may even have been made there except the nameplate probably says "Made in USA" somewhere.

Anyway there are lots of 25-Hz radios of all sorts in VE-land.

You are right, the H-51 radio works fine on 60 Hz, and probably has even less hum than the US version due to the bigger caps and chokes.

BTW, New York City, especially near the original Edison plants, was the major market for 110 V DC radios, and also aboard ships. That plus AC/DC is cheeeep to build :-)

73, mike k aa9rg

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Norm Flasch <flasch@cushy.ece.nwu.edu>  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <199611122310.RAA06158@cushy.ece.nwu.edu>

I have one myself. It is a Wards Airline tombstone with one of those classic dials. Big stamp on the back "25 cycles". Now that power transformer is probably twice the size of one you might expect to see in a radio of that type.

— —

Norm Flasch      flasch@ece.nwu.edu      Northwestern University  
Electrical and Computer Engineering

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <9611122335.AA06433@bock.ih.lucent.com>

And that transformer probably runs half as hot as the 60-cycle version would have in that radio!

Now, if you ran 400 cycles into a 60 Hz radio, I dunno, you might get eddy current and hysteresis heating in the laminations, but the reduced primary current might compensate under light load.

73, mike k aa9rg

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: launerb@crl.com (William H. Launer)  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <v0153050aaeaec9babd58@[192.0.2.1]>

25 cycle power wasn't uncommon in the early days of electric power generation. I recall a professor telling us that there was dam on the Mississippi River (either around Quincy, IL, or Davenport, IA) that generated 25 cycle power years ago. However, it predated the SP-600 by many years. One of the reasons the frequency was raised (in addition to allowing smaller transformers and motors) was that some people were bothered by the 25 cycle flicker from incandescent lamps.

73, Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279 qrp arc1 #3551  
Grid Square EM48RT

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <A4416ZWOMSZSK0\*/R=OUVAXA/R=A1/U=POST/@MHS>

I picked up an American Bosch wood large table model (BC and SW with pretty red and green round dial) vintage the late 30's. (Is that a floatanchor?)

Has a 25 cycle power transformer that can also accept a variety of input voltages such as 230/240 as well as 100/110/120 etc. Stays very cool at 60 Hz. Probably would be happy in either the US or Europe (50Hz). The lamination stack is over four inches tall, making the transformer look rather odd.

I suppose that the Bosch may have been intended for the export market.

73 Rich KB8TAD <postr@ohiou.edu>

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996

From: "E. V. Sandy Blaize, W5TVW" <ebjr@worldnet.att.net>  
Subject: Re: 25 cycle SP-600 question (yet another...)  
Message-ID: <19961113041154.AAA26152@LOCALNAME>

At 09:22 PM 11/12/96 +0000, you wrote:

>Umm, no modification is needed to run a 25 cycle set on 50 or 60  
>cycles. The power transformer needs more iron to run at lower  
>frequencies. But it will still run at the higher ones. (Just like 60  
>cycle transformers will run on 400 cycle airplanes, but not  
>vice-versa.)

>

>Electrified railroads had a tendency to use 25 cycle power. Perhaps  
>this was originally part of a railroad radio system? The Pennsylvania  
>Railroad was 25 cycle, and had an extensive radio system in the  
>1950's.

>

>There were also residential areas with 25 cycle, but I think that  
>would be very uncommon by the era of the SP-600. (It was fairly  
>common in the 1930's.)

>

A note: 25 cycle power was VERY common in the Panama Canal Zone!  
It had to do with the pumps used in the Canal locks. More efficiency or  
something.  
There used to be (or may still be!) many pumping stations in the New Orleans  
area that ran on 25 cycle power (for the same reasons) New Orleans'  
drainage system has pumping stations in many places since the water is  
usually pumped back into the Mississippi river and Lake Pontchartrain, both  
of which are much of the year ABOVE mean sea level! (It is believed New  
Orleans is BELOW sea level, but this is a fallacy. It is about AT sea  
level, but surrounded by levees, and bodies of water that are above sea  
level most of the year)

The hams back in the 50's in KZ5 land had external power  
transformers on their Johnson Viking 1's and 2's and hammerlund HQ-129,  
Hallicrafters S-40 receivers which were very common back then. When they  
left the "zone" (so the story goes) the transformers were passed along to  
the next amateurs that were stationed there for their use, etc.

73

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: azoth@netcom.com (Az0th)  
Subject: Re: 2B/H010/SB610/Slo-Bug  
Message-ID: <199611121424.JAA01389@netcom6.netcom.com>

Hiyall,

> > Our own Paul K4MSG has devised a nifty little widget he calls Slo-Bug,  
> This brought back a memory from "learning the code" days...  
..  
> gizmo was really a clamp for marking rafters with a carpenter's square  
> that Johnny was as likely to use in his job as a carpenter as in  
> sending slow cw!

Neat trick! The shell of a PL-259 slips on OK, too, if you're looking for some extra weight, but ya gotta admit, it looks kinda wonky. The Slo-Bug is a precisely machined extension to the bug's armature that looks like it belongs there, and uses fewer standard weights to get the same magnitude of speed reduction, so that you don't end up with a bug that handles like a cow. I haven't seen the one that goes on the Lightning and other flat-armatured bugs, but the principle is the same.

I know, sounds like an infomercial: "I lost 7 wpm without adding weight!" But it's almost true, since the widget itself doesn't really mass much, and in the case of my Blue Racer, I'm still only using the original weights.

73 de KF4FJH - RF Buchanan

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: lkayser@rideau.net (Larry Kayser)  
Subject: 3579 tonight....  
Message-ID: <199611130437.XAA29599@mail.peterboro.net>

Bob, na4g et ws4s et al

That was fun tonight. I have qrm every 3 minute from sump pump, along with a GRC-109 rx that is a wide as a barn etc.

Will do it again when time permits, under better rf conditions.

Larry  
va3lk / wa3zia

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Dan Martin <dmartin@visuallink.com>  
Subject: 390A Audio  
Message-ID: <32891352.1C9F@visuallink.com>

Hi, folks:

Haven't found my EFJ or Millen caps yet but did get several inquiries about my "more-heat-in-the-shack" comment on the 390A audio mod. I sometimes forget all of us aren't ER readers. This audio mod was described in ER issue Number 42, Oct. 1992. The mod uses an Amperex/RCA twin tetrode, a 6360, as the new final audio amp along with several other significant circuit changes. The author claims over 5 watts out, a THD of less than .5%, and a flat response from 70 hertz to 9 kilohertz. The article is a near how-to-do-it, complete with schematic. Bill used to sell completed audio decks on an exchange or outright basis for those wanting to plug-and-play. I don't know if he still does this or not. Perhaps some other BA members will know. While opinions will vary, I think it sounds GREAT. Near "hi-fi" audio. Not so noticeable, of course, on CW or SSB, but very much so on clear channel AM. Through a decent 8 ohm speaker (the mod also makes that change) commercial AM radio will make you wonder what all the fuss is about for FM. I find myself playing it in the background as I work around the shop. The audio is full and rich. My comment about the heat it generates wasn't a knock of Bill's mod. Going from about 500 mW to 5 watts will cause some heat and in the un-air conditioned back yard shop I had in central CA where I recently moved from, that was a real concern in the summer months. The heat would be the only caveat here. Mine IS warm. This audio mod isn't so unusual with many 390A owners and I've known several others that have it. If any non-ER readers want more info, mailing addresses of Bill, ER, etc., send me a private e-mail and I'll try to help.

73 from still-cold northern VA,  
Dan  
WB4GRA

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Dave Hockaday <wb4iuy@ipass.net>  
Subject: 5763  
Message-ID: <199611121744.MAA23956@passport.ipass.net>

I am trying to cross an industrial tube #5763. My book shows it as a 6AQ5... the problem is that the 5763 is a 9 pin miniature, and the 6AQ5 is a 7 pin miniature. There is obviously an error in my reference. Does anyone know what a #5763 is, and if there is a conventional substitute for it??

73 de Dave Hockaday WB4IUY  
Youngsville, NC  
wb4iuy@ipass.net

<http://www.ipass.net/~wb4iuy/>  
<http://www.ipass.net/~hockaday/>  
<http://www.ipass.net/~teara/>  
<http://www.geocities.com/TheTropics/3349/>  
<http://www.RTPnet.org/~fcarc/>  
<http://www.RTPnet.org/~rdrc/>

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Al Klase <alklase@prolog.net>  
Subject: Re: 5763  
Message-ID: <199611122028.PAA29112@ns1.ptd.net>

At 11:47 AM 11/12/96 -0600, Dave Hockaday wrote:

>I am trying to cross an industrial tube #5763. My book shows it as a 6AQ5...  
>the problem is that the 5763 is a 9 pin miniature, and the 6AQ5 is a 7 pin  
>miniature. There is obviously an error in my reference. Does anyone know  
>what a #5763 is, and if there is a conventional substitute for it??  
>

Lud Sibley (Tube Lore) sez "VHF Beam Power Tube, Heater 6.0V @ 750mA, 8W  
plate dissipation."  
6417 is a 12-volt version.  
I can't find any direct substitute. AES had these in the '95 catalog for  
\$12. I beleive the mobile radio world is full of 5763's.

73, Al

Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: "E. V. Sandy Blaize, W5TVW" <ebjr@worldnet.att.net>  
Subject: 75A-2 schematic needed!  
Message-ID: <19961113031720.AAB778@LOCALNAME>

Looking for a schematic and a parts layout diagram (or diagrams) for  
the Collins 75A-2 receiver, this one serial nr. 1545. This one is DIFFERENT



from what is in the SAMS folder! There is a couple of 6BA7's for V2 and V4 instead of 6BE6's! I guess they changed horses in midstream somewhere! Trying to sort it out for a local yokel who would like to get it working right. Can anybody help?

73,

E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>  
Subject: Re: AM Recollections  
Message-ID: <961113012438\_102452.362\_DHT43-1@CompuServe.COM>

Hello to all,

Speaking of AM recollections I certainly remember the days when I ran an ART-13 and a BC-342 receiver. This was in 1962 when more "progressive" if not better heeled hams were going to single sideband. As a matter of fact, I purchased my first rig which was the ART-13 from a sight impaired ham who was going to SSB. The ART-13 certainly was a lot of fun then on 40 meters with a dipole strung between two tall Georgia pine trees.

I can still recall the mercury vapor rectifiers with their beautiful blue hue modulating up and down with the audio. Those were the bygone days. Or were they?

I just returned from the radio shack which is part of my workshop in the backyard and found this thread continuing on AM recollections so I decided to put in my two cents worth. I have just concluded a very nice contact with some guys I know on AM. Yes, I still operate AM after all these years. What was magical then has not lost any of its appeal. I operate an 813 kilowatt with a pair in the final modulated by a pair of triode connected 813's and have the good fortune to be able to listen on an SX-88. For those who have not operated this wonderful mode with its great audio it would be hard to imagine just how an SX-88 sounds with the response set on hi-fi and the bandwidth open to 10 kc. This is especially true when you are working a station that is powerful enough to quiet the band.

As you can see, I have memories from 35 years ago on AM and memories from 35 minutes ago on AM. There is and will always be a satisfaction enjoyed by those who build and operate their own equipment that is missed by the majority in the

fraternity.

See you guys on 3885. Hey, they used to laugh when people said the South would rise again.

Regards from Carrollton, Georgia,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
102452.362@compuserve.com  
wa4kcy@usa.net wa4kcy@juno.com  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~  
"Our Constitution was made for a moral and religious people.  
It is wholly inadequate for the government of any other."  
John Adams-1798  
~~~~~

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: "Manuel A. Maseda" <mmaseda@gte.net>  
Subject: Any BA Locations in San Francisco Area?  
Message-ID: <3288D86C.4938@gte.net>

I'm visiting the SF Bay area for a few days and was wondering if there were any BA places to visit?

Manuel WF1J

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: paul Veltman <veltman@netcom.com>  
Subject: Re: Any BA Locations in San Francisco Area?  
Message-ID: <Pine.3.89.9611121414.A27674-01000000@netcom15>

Manuel,

About the only thing that I would call a BA haunt is a place called Mike Quinn Electronics at the Oakland Airport North Field. You head toward the airport from I-880 on Hegenberger Rd and then hang a right on

Doolittle Dirve. You run up Doolittle a little ways and then you will come upon a group of Quonset Huts. Turn in there and that's Mike Quinns. It's got junk all over the place, floor to ceiling. You never know what you'll turn up. There is a green wooden building next door that used to have a neat surplus store in it. I don't think it's been open for many a moon, but you may peek in the window and rattle the door. I forget the name of the guy who owned it, but he may have died a while ago. I know that he used to hire the kids from the San Leandro Radio Club in the summers.

The rest of the places down in the Silicon Valley like Haltek and Halted's are mostly computer junk places. I've never seen much of any Boatanchors in there.

Oh, there's Alltronics in San Jose. That's down on Zanker Road. Take 880 south to 237, west on 237 and then south again on Zanker. It's on the left a few blocks down. You gotta look for it. It's in one of those typical SV tiltup strip shops. Mostly computer stuff, but friendly guys and some interesting finds.

That's about it. For all the electronics around here, you would think there's more, but it's nothing like Radio Row in NYC was or even some of the Market Street surplus stores in SF.

73,

Paul WA6OKQ

On Tue, 12 Nov 1996, Manuel A. Maseda wrote:

> I'm visiting the SF Bay area for a few days and was wondering if there  
> were any BA places to visit?  
>  
>  
> Manuel WF1J  
>

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: Are You Running Less Than 14.4 Kb?  
Message-ID: <199611120951.BAA17189@dfw-ix7.ix.netcom.com>

If any list member who uses a desktop PC is running less than 14.4 Kb and would like to upgrade, please contact me.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: "Earl Landry" <Earl.Landry@MCI.Com>  
Subject: B-10A converter  
Message-ID: <961112133842.ZM2847@6715345>

Fellow BAs:

Does anyone know what the B-10A converter was. The unit I have is about the size of a command set with 3 12AT7 and one 12AX7 tubes. In the back are several old 1N34 diodes.

The front of the unit has a nameplate that says it was made by the Aircraft Radio Company, Boonton, NJ. A Navy anchor is stamped on the case and a nice red ARC medalion also appears.

Just curious,

Earl Landry - K5EID

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: W2CRS@aol.com  
Subject: BA NET tonight and Utah Junior  
Message-ID: <961112233241\_1715298638@emout17.mail.aol.com>

Good intentions, but... I signed off from AM roundtable on 3885, telling them that I wanted to go to 3579 at 0100 UTC for the BA "net." My AF-67 had been working FB on AM. In fact, I worked VT, MA, and RI on 75 phone last night using a new 75M full wave loop I had just put up. The AF-67 had also worked FB on CW two nights ago, but tonight as I stuck the phono plug for the key into the jack there was a pop and flash inside the AF-67 RF deck and a fuse blew. A replacement fuse also blew.

Tomorrow I'll look inside. Any ideas? I had not switched the switch on the back from AM to CW, but I doubt if that's the trouble.

Anyway, I have the 1937 Utah Junior back on the table (just room for one rig at a time) and it's working FB, xtal controlled on 3539 and 3567, if any one wants to make a sked tomorrow. Two of you previously asked for a sked. Sorry I lost the email from one of you. I'll reply to the other this evening.

Also, Larry, who wrote me this morning about the Utah Junior. My reply to you bounced back to me. For some reason, your address is not being accepted. Please write again.

73, Doug W0AH ex-W2CRS Woodland Park CO

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: "E. V. Sandy Blaize, W5TVW" <ebjr@worldnet.att.net>  
Subject: BA/BG Net activities  
Message-ID: <19961112172850.AAA23844@LOCALNAME>

Hello "Net" fans!

The airwaves were hot last nifgt on 80 meters. Looks like the cold weather is clearing up the 'ether' on 80 meters! Tried a test as well on 160 with my puny "Breadboard" rig, and managed to get to Florida. Couldn't heard Dennis-W5FRS.

If my cursed line noise will let me alone, I think I'll be able to hear everyone.

Lately we have been running the Halliscrather SR-150 driving the Henry to 1 KW out or the Viking 500 at 1/2 KW out. Therefore, I hope at least everyone can hear me. This place can be the noisiest location in the USA at times, so bear with me all you QRPers!

The 0200 time seems to be an excellent time for 80 meter QRG. You VFO types should slip down to 3579.0 to get away from W1AW broadcasts a scoche more, and avoid the TV 'buzz' directly on 3579.545 at times.

If we move to another 160 meter QRG, what say ye to moving near the top of "top band"? Say 1995? I am sure the low end is gonna get crowded as winter progresses. The very top end of the band seems pretty vacant, except for 1985 activity. We want to steer clear of the digital "beacon" stuff that's up in that part of the band as well. Opinions?

See you all tonight! (Hopefully)

73 and ZUT,

E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Bill Meara <wmeara@erols.com>  
Subject: BA/GB net 3579 kc 0200Z  
Message-ID: <199611120256.VAA25877@smtp2.erols.com>

Nothing heard on 3579 at 0100Z 12 Nov, but the gang started showing up at 0200. WS4S was doubly qualified for check in on the BA/GB net: Conard was running a xtal controlled home-brew two tube transmitter and an R390 receiver. VA3RP dropped in using a DX-60. I was very happy to hear strong

BA signals from W5TVW - Sandy was using an SR-150.

73 De N2CQR  
Bill Meara  
Hallicrafters, Heaths and Hammarlunds  
QTH: Falls Church, Virginia, USA  
Formerly of Tegucigalpa, Bilbao and Santo Domingo  
wmeara@erols.com

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Re: BA/GB net 3579 kc 0200Z  
Message-ID: <19961112.041617.4407.21.k7yha@juno.com>

On Mon, 11 Nov 1996 20:58:43 -0600 (CST) Bill Meara <wmeara@erols.com>  
writes:  
>Nothing heard on 3579 at 0100Z 12 Nov, but the gang started showing up  
>at 0200. WS4S was doubly qualified for check in on the BA/GB net:  
Conard  
>was running a xtal controlled home-brew two tube transmitter and an R390  
>receiver. VA3RP dropped in using a DX-60. I was very happy to hear  
>strong BA signals from W5TVW - Sandy was using an SR-150.  
>

I was wandering around 3579 about 0230Z with the SX-117 and started  
hearing some of the BA dudes. Nice sigs all round. Can hardly wait till  
I get a transmitter on the air.

To put it all in perspective, the SX-117 was hooked into my "clothesline"  
antenna....a 75 ft clothesline about 20 ft off the ground. Soon as I get  
the balanced line tuner working, we'll see what those signals look like  
on my 80 meter Zepp at 45 ft.

Good job to all who showed on frequency.

73 rich K7YHA

Collector of Classic American Radio-Active Iron: Hallicrafters,  
Hammarlund, Johnson, National and Collins.

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Conard Murray <conard@tntech.campus.mci.net>

Subject: BA/GB net hoopla!

Message-ID: <1.5.4.32.19961112072801.00691c6c@tntech.campus.mci.net>

Hi radio fans!

It was a busy Monday night on 3579.5! The band is in excellent condition with trans-continental DX between

NA4G in North Carolina running a Heath HW16 and N7TM in Washington state running a Drake 2C/2NT combo.

Also worked were several stations dropping by for the first time. Stations on were:

KC5TJG/Geo in Wichita Falls, Texas

W5FRS/Dennis in Texas running a great sounding TCS (look ma, no chirp!)

W5TVW/Sandy in New Orleans running a SR150 into a Henry amp (WWL's second cousin!)

N2CQR/Bill in Va running a Halli HT37/Drake 2B

VA3RP/Rod in Ontario running a Heath DX60B

NA4G/Bob in NC with a Heath HW16

N7TM/Tom in WA running a Drake 2C/2NT combo

K4MSG/Paul in Va running (classified)

AF4K/Bry in MD running (classified)

WS4S/Conard in TN running HB 6V6->6Y6/R-390A

Also heard calling but not worked was K7FJ.

How about some of you BA/GB ops in exotic DX-lands (KH6/KL7 etc.) make some schedules with us

for a late-night session so we can work you with our flea-power rock crushers?

If you want to get in some great CW time with an excellent group of operators, here is your chance.

Come up on 3579.5 after dark with whatever you can find that radiates a signal. Wait until someone

turns it over to another op and send your call. With the onset of decent propagation on 80, even

5 or 10 watts will do fine.

73 all,

de Conard, WS4S

Conard Murray WS4S NNNOUTN Glowbugs Listowner

217 Dyer Avenue

BA/GB net 1802.5/3579.5/7050 KHz

Cookeville, Tn 38501

conard@tntech.campus.mci.net

615-526-4093

Wise men still seek Him

- LICENSED ONLY TO EXTENT INDICATED ON CARTON -

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996

From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: BA/GB Net was Hot Last Nite (:+}}.....  
Message-ID: <9611121729.AA113607@csemail.cropsci.ncsu.edu>

I, for one, am well pleased with the turnout we had and the general band conditions lately on the BA/GB QRG. I was beginning to think that it was becoming a lost cause. But, with the crew that showed up last nite it was GREAT! Lets follow the pattern for the rest of the week and the weekend and see how it goes. I was amazed to hear N7TM and K7FG so well on my puny HW-16. (Never use a HW-16 in the presence of strong locals, cuz it blocks worse than a toy regennie --- I have some 599999999 chops down on 3520 within a couple of hundred yards in two directions, and when they come on [fine ol' navy an' cg chops that can blow yer socks off an melt yer bug contacts if yer not careful], the HW-16 goes deep six from the overload.) Even the ol' RAL regenerator heard them 7's on a tiny indoor antenna, too. Mebbe tonight I will fire up Big Bertha Radiomarine and let her belch a note or two. Conard's fine lil' peanut whistle came through 599 from TN to NC. I almost turned on the ol' lady Grandma Hartley, last nite, but the shack was in too much of a mess to handle the switchover safely without standing on the ol' headbone. Sandy's lusty barnburner held the fort well, from LA. FB on the west coasters who joined in. Let the west coast be heard!

The bands are hot, the bottles they be a' glowin' brightly, an' the regeneration be on the ragged edge! Grapples ye up yer tin cans atop yer noggins, an readys ye yer keys at the fore!

73/ZUT DE NA4G/Bob UP

p.s. Anyone got a good circuit design for a 5 section LC tank tunable passband filter that I might could use to knock down the overload? I got this 'ere ancient 5 section variable somewhares that might make fer a good tunable front end on the HW-16. If I could build it strong enough to pass the 40 or so watts of RF then I could just drop it in the line. If not, then I hafta break out the QSK output to the rx section and pass it through the tuner that way.....hmmm....

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: Re: banquet table for BAs?  
Message-ID: <3287E241.6CF7@ghgcorp.com>

MIKE SANDERS wrote:

> Yep, I got one in the garage that is I guess 6 foot in length from Office  
> Depot. Have stacked lots and lots of BAs on it with no problems. They



Same unit in BA service here in my radio/computer/office/workshop room.  
At one time it had on it: two SP-600-JX-17's, plus an HQ-145-XA,  
HQ-180, and HQ-150! With all the extra stuff on it, 400lbs easy. No  
sweat!

73,  
Ben  
--

---

|                                 |                                    |
|---------------------------------|------------------------------------|
| From the computer of            | Collector of fine firebottle       |
| Benjamin D. Hall, Houston Texas | equipment, as well as other things |
| BDHall@GHGCorp.com -or-         | involving Earth, Air, Water, and   |
| BHall@GP802.JSC.NASA.gov        | Fire.                              |

---

"When you clock the human race with the stopwatch of history, it's a  
new record every time."

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: banquet table for BAs?  
Message-ID: <32885563.AA6@millcomm.com>

MIKE SANDERS wrote:

>  
> Yep, I got one in the garage that is I guess 6 foot in length from Office  
> Depot. Have stacked lots and lots of BAs on it with no problems. They  
> are tough tables even though they are fold up. I do not how much  
> weight I have had on one at one time but it is considerable I assure  
> you. Good luck  
73, Mike--

I want to add a little food for thought to this one...

I've built a whole business around folding tables and used industrial  
shelving. Years ago I used to build everything myself 'cause I thought it  
was cheaper. Right! Ever try to move a set of shelves or a bench that was  
part of a wall?....

However, I -have- 'folded' a folding table. The usual woodgrain formica  
top, brown painted steel channel sides \$69 type. The channel on the front  
side started to collapse and fold up, about 2 feet in from the end.

As it was a few years ago, I can't remember what exactly caused it. But  
since I work with machine tools AND old Tek scopes, you can well imagine...  
It could have been when it was already loaded up, and I climbed up on it to

get at the coax where it comes in the basement window...

My current main elec lab bench is an 8-footer with a pair of 7904's, an R564B, pulse gen, func gen, 6-1/2 digit rackmount size Fluke DMM, couple of bench pwr supplies, freq cntr, etc... all stacked on one end.

BUT, I put a simple 4x4 post under that end. I trimmed it so I had to grunt the table up just a hair, to get it in place. What I want to say is: Think about the value of what's on it before you go blithely stacking it up. If your rig is valuable, fragile, and irreplaceable, as many BA's are, you don't want it crashing onto the floor. An extra post is cheap insurance. These tables -will- collapse if you overdo it.

Richard

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to build stuff" So... -  
+ for CNC info, don't email me, call -  
+ or email Ah-ha! directly. Thanks! -  
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>  
Subject: BC-348  
Message-ID: <961112084125\_75121.100\_IHV36-1@CompuServe.COM>

Posted on another service-----

=====

- WWII vintage HF receiver (Belmont BC-348-R with Signal Corps markings), range 200-18000 khz, crystal, beat frequency, including Heathkit Q-multiplier

All of these items are in full working condition, but I don't have room for them. They're free or go to the highest bid by Thanksgiving. You must pick them up yourself (in the south Oklahoma City area). Due to my schedule and lack of sufficient packing materials, I can't ship this to you (especially if I'm giving it away free).

I won't respond to questions about what you can use this equipment for; if you're not sure, someone who DOES know how to use it should have it instead.

Reply ONLY to my E-mail address (71611,2267) if you're interested. In December, some of this stuff will probably go into the dumpster if I can't

offload it to someone. Thanks.

Tim Vasquez  
Norman, Oklahoma  
(405) 573-0700  
author, Digital Atmosphere, WeatherGraphix

=====

reply to author, not me. I'm just the messenger.

Regards from Hawaii,  
Raymond J. Cote

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: Capacitance Measured in "Plates"  
Message-ID: <3288106B.6BC3@txdirect.net>

There is no direct correlation between the number of "plates" in a capacitor and its size in microfarads. The capacitance in any air capacitor is established by the number of opposing plates, the area or size of the plates and the proximity or closeness they have to each other. Knowing the number of plates in a capacitor tells us nothing unless we know the particulars of the other two values.

Bill K5LLK

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Al Klase <alklase@prolog.net>  
Subject: Re: Capacitance Measured in "Plates"  
Message-ID: <199611121241.HAA02280@ns1.ptd.net>

At 09:08 AM 11/11/96 -0600, Jim Rybak wrote:

>  
>In some very old radio books, the value of a variable capacitor is  
>measured in "plates" (e.g. "a 46 plate capacitor"). Does anyone know the  
>conversion between "plates" and pico-farads so I could build one of these  
>circuits?

OM's,

As several of you suggest, there is no absolute relationship between capacity and number of plates. However, up into the 1920's, it was common practice to just say "I used a 23-plate condensor". What they were usually

talking about were receiving-type variable condensers. They're about the size of your fist, and all have about the same plate spacing to achieve the appropriate voltage rating in a reasonable volume. Hence, it was possible to reckon in plate numbers alone. The following is from Moyer and Wostrel's "Practical Radio" first edition 1924:

"For the usual commercial sizes of condensers the relation between capacity and number of plates follows:"

| Capacity<br>(Microfarads) | Number<br>of Plates |
|---------------------------|---------------------|
| 0.00025                   | 11                  |
| 0.0005                    | 23                  |
| 0.001                     | 43                  |
| 0.0015                    | 65                  |

73,  
Al

Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: Re: Capacitance Measured in "Plates"  
Message-ID: <9611121745.AA05219@bock.ih.lucent.com>

Bill is correct, of course, but in the early days of radio there was sort of a standard size for a lot of generic variable caps aimed at homebrewers and small radio mfgs. So there was a rough translation between plate count and pF. Now if I could only find the reference that tells what it was....73, mike k aa9rg

PS: Some vari caps were defly non-standard, including "orthotonic" straight-line or linear tuning types (a favorite of a Mass. toy-motor company called National) and Remler's drawbridge-butterfly jobs. These will look and work beautifully in any homebrew rx or glowbug.

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Merv Schweigert <k9fd@htc.net>  
Subject: Chicago area

Message-ID: <9611121344.AA07374@ns.htc.net>

Are ther any BA'ers in the Chicago area that are going to the Fort Wayne hamfest on Saturday ?? I thought I had seen someone was going but do not remember who it was. Please contact me either by e-mail or call collect 618-282-3953. Thanks 73 Merv

//////\\  
(# #)

-----o00-( )-00o-----  
:  
: Merv Schweigert K9FD Collector of Keys, "Bugs", :  
: 9694 S. Prairie Road Paddles, Code related gear :  
: Red Bud IL 62278 Crystals and Old Heathkits :  
: E-Mail k9fd@htc.net Old National HRO NC101 Etc :  
: Ph. 618-282-3953 Always looking please call :  
-----

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Mort Denison <mdenison@postoffice.ptd.net>  
Subject: Collins 75A-2 for R390A  
Message-ID: <32892249.5549@postoffice.ptd.net>

I've got a 75A-2 and would like a cosmetically clean, 1960's vintage R390A.

Anybody interested?

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: TPHAAK@ccmail.monsanto.com  
Subject: Collins Trade  
Message-ID: <0030400001799595000002\*@MHS>

Gang,

I am looking for a good clean Collins 32V-3 to buy or trade on.

I have a beautiful Globe 400 with 160/80/40 coil sets plus a few extra coils that I might be arm twisted in letting go on a trade for a 32V-3

or other Collins.

I also have for trade on Collins a "restorable" 32V and a parts 32V-2. The restorable 32V is just that. It is stamped 32V on the tag and not the -1,-2,-3 that you'd expect. I have not researched it to see what the difference is but it does have a balanced only output. The parts 32V-2 is missing the modulator chassis, alot of the knobs, and most tubes. FYI, they were owned by the Brown Brothers, makers of the key legend. I suspect (with some amusement) that is why one of them had the modulator rip out of it. They originally had three 32V's set up driving individual rack mounted 833 amps.

Tim WA0TSY  
tphaak@monsanto.com

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "Jim Berry" <basalop@eskimo.com>  
Subject: Drake 2B trade?  
Message-ID: <199611120830.AAA19850@mail.eskimo.com>

Hello 2B fans,

I am using a Drake 2B along with it's 2BQ Q-Mult. One fine receiver. In fact so fine I really do not want to part with it. If I was to put it up for sale I do not know what I would gain. What I do want to do is put together a station that uses gear from WWII. What if I was to trade my 2B for the National RAO series of receivers? What I would like to have is a National NC-127 (page 123 of the Moore 3rd edition book) and here is where it gets kind of confusing. The ham only version of that receiver I believe is the NC-101XA. Take a look at Page 90 of above mentioned book. I would put both of these guys on a desk, side by side, and it would give me general coverage plus ham bands only with the two receivers. Something to kick around.

73 Jim K7SLI

\*\*\*  
Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)  
Email: basalop@eskimo.com FAX: 360-659-1360  
Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA  
\*\*\*

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Eico 723 CW TX Info needed  
Message-ID: <19961113.011030.4407.22.k7yha@juno.com>

Gang:

The doorbell just rang and my neighbor from across the street came over bearing gifts: an Eico Model 723 CW transmitter complete with a xtal for 3730 kc.

I know absolutely nothing about this rig. Anybody got a manual, info, tune-up procedure, or whatever for this little rig?

It is a cute little thing, and I'll try to get it on the BA freq tonite if I can find a xtal near the BA freq. Speaking of xtals, does anyone have one for 3579, 7050 and whatever the other 40 meter BA freq is?

Anyone know if Eico made a VFO for this puppy? Sure beats trying to collect xtals.

73 es tn timer advance

rich K7YHA (still....)

Collector of Classic American Radio-Active Iron: Hallicrafters, Hammarlund, Johnson, National, Collins and NOW an Eico!

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: Eico 723 CW TX Info needed  
Message-ID: <01IBRWT5HWUG002VMR@ACS.EKU.EDU>

Eico did make a VFO, altho they are few and far between. Tuning is standard peak-the-grid, dip-the-plate. With a 6DQ6 final you should probably limit the grid current to no more than 2 ma. It was advertised at 60 watts input, so figure what the plate current should be loaded to based on that (check B+, figure 60 = (B+)(plate current)).

Eico also made a modulator which could plug into the 723 and was rated at 50 watts input on AM.

73, Al N5AIT  
modsteph@acs.eku.edu  
Allan Stephens  
Richmond, Kentucky  
LOOKING FOR (WTB): Morrow RTS-600S ps/spkr  
Multi-Elmac M-1070 ps  
Harvey-Wells APS-50 ps

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Electrolytic caps  
Message-ID: <m0vNRe0-0002DYC@e-tex.com>

All are sold. Tks guys.

73 de Pete WA5JCI

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: peterada@mindspring.com (Peter Adams)  
Subject: Flexible Insulated Coupling  
Message-ID: <199611130400.XAA00822@itchy.mindspring.com>

Any of you Johnson experts (or hardware experts) know of a source for the flex coupling found in the Ranger VFO . Mine is half broken and very brittle so I dont want to reinstall after my restoration. I can give mechanical specs if required but I thought I give the list a chance before getting too technical (or desperate). Thanks for the help. It's great have a resource like this list for arcane information like the above request.

Peter Adams  
N4KIA  
Near Atlanta, GA

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: david hirneisen <dhrnsn@prolog.net>  
Subject: For sale: Collins stuff  
Message-ID: <1.5.4.32.19961112041219.0067b524@mail.prolog.net>

I have the following two items for sale. I've seen them priced at hamfests for up to \$35. Is anybody interested? Make an offer. Thanks!

1976 Collins Amateur Equipment catalog - (dated 12/75) - bright red, 16 page sales catalog, like new, stored in plastic bag. Picture of KWM-2A on cover, inside are the KWM-2A, 75S-3C, 32S-3A, 30L-1, 30S-1, and accessories.

Collins Official Logbook (dated 10/75) - also like new (no entries), stored in plastic bag. Stapled version, not wirebound. Picture of KWM-2, 312B-5,



30L-1, and a SM-2 mike on cover.

Make and offer - sorry I can't ask a set price, but I have no idea what they're worth. I don't want to make a killing, but I don't want to be cheated either. Fortunity for me, I know this is a very honest group! Please respond via email.

Thanks and 73, Dave Hirneisen, N3GKB, dhrrnsn@ptd.net

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Eugene Rippen <soundval@foothill.net>  
Subject: FS Filters & Encoders  
Message-ID: <32895ED8.18E5@foothill.net>

I have the following filters FS"

Collins F 250 56  
Collins F 250 56  
Collins F 455 N 40  
Collins F 455 N 40  
Collins F 455 J 31  
Collins F250Z-3  
Collins F455Z-13  
Collins F455Z-13  
Collins Y455Y-21  
Collins F 104 Z 2  
Hermes Crystal Filter 354B-1  
RCA Mechanical Filter MFU-250-1 Center 251.950Kc, 6dB at 3.350Kc  
The Filters appear to me to be unused.

AND THE Following encoders:

Sargent & Greenleaf, "Reson-ator" J610 338.0 Freq.  
Sargent & Greenleaf, "Reson-ator" J610 185.5 Freq.  
Sargent 6 Greenleaf, "Reson-ator" J610 233.0 Freq.  
Motorola, "Vibrasender" 114.8 cycles  
Motorola, "Vibrasponder" 114.8 cycles

I am taking offers on this stuff. I am not well acquainted with the value or the gear in which this stuff goes. I don't think I have any use for these. Maybe I will miss them when they are gone, but as for now I will sell them.

Gene

Eugene Rippen, 105 Donnington, Auburn, CA 95603

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>  
Subject: FS Books, Orr, Marcus, Terman, Beitman  
Message-ID: <A4411ZWOMS971W\*/R=OUVAXA/R=A1/U=POST/@MHS>

Thermionics lubbers and luggers,

Still short of space on my book shelves.  
Have duplicate books and handbooks. Add enough shipping to prices, either  
UPS or book rate US Postal Service, your choice. Excess UPS or USPS  
shipping refunded.

Abraham Marcus  
Radio Servicing, second edition, third printing 1954, 794 pages  
good minus, shows smudges and marks on spine \$7

Marcus and Levy  
Practical Radio Servicing, 1955 good condition \$7

Marcus and Levy  
Profitable Radio Troubleshooting, (with dust jacket) 1956 very good \$7

Terman and Pettit  
Electronic Measurements, Second edition, 1952 excellent \$12

Radio Handbook 15th edition, Bill Orr, Editors and Engineers 1959 Good  
minus, shows signs of wear on the covers and spine. \$14

Radio Amateurs Handbook 1950, ARRL, fair, has cloth tape on the spine \$12

Radio Amateurs Handbook 1961, ARRL, fair \$9

Radio Amateurs Handbook 1975, ARRL, fair \$8

Note: The Handbooks have spent some time on the bench being used, they are  
complete and intact but have a "blue collar, work for a living" look. (I  
actually prefer books in that condition.)

MN Beitman, Most Often Needed Radio Schematics, Vol 1 1926-38, Fair, back  
cover loose \$10 (thats a LOT cheaper than the reprint!)

Beitman, Most Often Needed ... Vol 3, 1940, good, small tear in cover \$7  
Beitman, Most Often Needed ... Vol 4, 1941 good \$7  
Beitman, Most Often Needed ... Vol 6, 1946 good \$7  
Beitman, Most Often Needed ... Vol 7, 1947 very good \$7

Beitman, Most Often Needed ... Vol 9, 1949 very good \$7  
(Will sell all six Beitmans for \$40 together.)

Normally, first e-mail in gets the item, but a tie or near tie goes to "dem I owe a return favor". Prefer to ship more than one book to an address as it cuts down shipping and boxing time. (Also cheaper per book because of savings on shipping. Be generous in your shipping estimate from zip 45701 as excess will be refunded.)

73, Rich KB8TAD rpost1@ohiou.edu

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: "Richard A. George" <wa6jox@rain.org>  
Subject: FS OR TRADE  
Message-ID: <Pine.SUN.3.95.961112112528.1909A-100000@coyote.rain.org>

I have a Singer Noise and Field Intensity meter model nf105 for sale or trade. This is basically a receiver that covers .15mhz to 1000mhz with 4 plug in units. It has a built in impulse generator with a 0-80dB attenuator, a 0-80dB signal attenuator, and 2 calibrated signal strength meters calibrated in dB and microvolts. It is in working condition and is all vacuum tube. It runs on 115 vac and has a 600 ohm audio output. For the right trade I will pay shipping CONUSA UPS in 5 boxes. I've seen the local power companies still using this receiver to track down power line noise. I would really like to trade, but will sell for \$250.00 and I will pay shipping CONUS UPS. Please e-mail direct.

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "William C. Robbins" <billrobb@net-link.net>  
Subject: FS: DX-60 etc  
Message-ID: <199611121246.HAA20431@serv01.net-link.net>

THIS IS REPOSTED FROM ANOTHER GROUP...CALL HIM NOT ME.

I have a good set of Heathkit equipment looking for a good home.

DX-60 not sure if it's a B and matching VFO  
Matching Receiver (don't remember the model number I'm doing this at work)

I also have all the documentation altho not original (photo copy) but it

is complete. I am not the original owner but all units are in working condition. They look real nice with no major scratches. I built a DX60 as a novice and visioned having one again. I got these units at the Houston Ham Fest last year. The receiver belonged to a friend of mine. It works but have not used it hardly at all. I just listend to the AM guys on 75 meters a couple of times. Would consider a trade for a goat or a good milk cow.

If anyone is interested let me know:  
During day 8:00\_4:30 CST 713-365-4640  
After 5:00 pmCST 713-469-8331  
or email bdenton@tenet.edu

Bill Denton  
WA5DWX

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: michael.hopkins.1171@corvus.com (Michael Hopkins)  
Subject: FS: Heath HO-13  
Message-ID: <96111202001931118@corvus.com>

Heath HO-13 spectrum analyzer # 504-61408

Early model of SB-620

Smoked transformer, all there, clean panel and some chiped paint on case, orig. book.

\$25 + postage

de ab5l as above

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: billo@nti.net (Bill Wilson)  
Subject: FS: NC-300 Converter set in box  
Message-ID: <19961113002139024.AAA72@LOCALNAME>

I have a NC-300 Converter set in mounted in the National box. 2 meter, 220 and 440 bands to go with the NC-300. The converters work and I have used them on 2 meters to listen to the area repeaters, tuning FM on a AM rig is tricky but can be done. The converters are mounted in a speaker sized National box with a knob on the front to switch in the different bands. The front panel is in good shape and the lettering is in good shape but the top

of the box could use a repaint; some scratches and there are four areas where masking tape is (fossilized); there are two small holes drilled in the case near the rear of the box. The paint of the box matches the NC-300 speaker case. The unit comes with the cables and is ready to "plug and play" with the NC-300. I don't know what this is worth due to the cosmetics but no reasonable offer refused.

Thanks,

Bill  
AC4LC  
Jacksonville, Al. 36265

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Tom.Daley@530.gigo.com (Tom Daley)  
Subject: fs: regency range gain  
Message-ID: <ee7\_9611120629@gigo.com>

hello ba people i have the following to sell or trade. i am looking for gonsets ! plus shipping

-  
- regency range gain 23 ch tube cb works ! in good condition with original mic and power cord. breaker good buddy - may need a little dexoit. has controls for channel, anl, delta tune (fine), squelch and plate tune. dusty ! copy of sams too ! \$65  
-

dont be shy with offers or trades ! located in sacramento 73 tom

--  
--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.  
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Michael Crestohl <mc@shore.net>  
Subject: FS: TV7D/U MilSpec tube tester.....  
Message-ID: <199611121245.HAA04696@northshore.shore.net>

Hello All Firebottle Fans!

I found yet another TV-7D/U tube tester in the basement - I was keeping it as a spare but since I acquired a TV-2 last year it seems pointless to keep this one.

This one is clean, has the Socket-savers, adapters and original tube

setting book (January 1962 which is the one that AES reprints). I highly recommend that the buyer have me ship it to Dan Nelson in AZ for calibration (additional \$45.00 and well worth it!). Dan also makes up a set of two adapters that allow the TV-7 to test Compactrons which includes most sweep tubes that are used in 1960s vintage BA gear.

Price: \$125.00 plus UPS.

If interested please reply by e-mail. This is being posted here prior to posting on rec.radio.swap and rec.radio.amateur.boatanchors

73,

Michael Crestohl, W1RC  
mc@shore.net

One of those who is thrilled and honored to have a 1X2 after 30 years into the hobby.....as are many other list members who have been granted them after 20 years of not being available. A vintage station is a very fitting place for a vintage call.

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mack@mails.imed.com  
Subject: Heath Receiver???  
Message-ID: <9610128478.AA847845650@mails.imed.com>

A buddy has a mystery receiver "out back" that he says is a HB-108 if I remember correctly. He says it \*definitely\* uses fire bottles and is from the mid 70's time frame. Does anyone have any idea what he might \*really\* have?

Ray Mack  
WD5IFS  
mack@mails.imed.com  
Friendswood (Houston), TX

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Steve Miller <smiller@motown.lmco.com>  
Subject: Heath stuff value  
Message-ID: <199611130124.UAA16431@bear.motown.lmco.com>

I have been asked to look at several Heath items in conjunction with an estate sale. All Items are untried and have been

stored for several years in a garage.

GR-54 receiver

HW-100

SB101

SB500 (linear, I think this is a misprint could be an SB200)

HP23

HP23A

SB610

Hammurlund HX50A

There are a couple of other pieces but I cannot recall them. I would like to help this gentleman out but I honestly think this stuff has been in storage a long time so there is no telling how it will perform.

Any insight on the value would be appreciated.

Steve Kd2Ed

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996

From: "Lynn D. Stolz" <lynn@midohio.net>

Subject: Heathkit GDO Part Needed

Message-ID: <3288E644.5E5B@midohio.net>

Gang,

I'm in the process of getting an old HK GD-1B GDO in working order and am missing one part to make it complete. It is the highest frequency "half-loop" coil. I'd like to hear from anyone that has one that may be willing to part out that piece.

Thanks,

Lynn N8AJ lynn@midohio.net

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996

From: Matt Jodziewicz <mattj@oraus.com>

Subject: Heathkit SSB converter

Message-ID: <01BBD0B6.491EC840@mattj.oraus.com>

Well another sacrifice was made to the lesser net god Delete and I lost the posting made by someone the past few days that said he saw an Heathkit SSB converter in an antique store in Billingham(?) Canada(?). Boy is it infuriating when you remember the post but find it deleted. You always remember just enough to make you start muttering to yourself.

Does anybody still have this post as I am  
looking for such a converter. Thanks.

Matt WB2VZS

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: HP120B Parts Problem  
Message-ID: <32884240.171D@millcomm.com>

Mark Mandelkern wrote:

> Finally, here is the problem. I'd like to have correct  
> neon types on hand for the next time one is needed.--

In many cases the neons are used only to set a reference level, just like  
a cheap VR tube. You can easily replace them with little five cent  
zener diodes. Best to check the current flowing through them first, and  
calculate the dissipation. Use a zener rated at about twice the power  
being dissipated. If power diss is over half a watt, you can  
series-connect several lower voltage one-watt units.

Your neons may have been factory selected. The tolerance on those bulbs  
is pretty loose, 20-25% or so. By the way, if you use zeners, get the  
"B" suffix for 1N52xx series. Those are the 5% tol versions. "A" is  
10%, and no suffix is 20% !! if I remember right.

On the one watt plastic zeners (ones I generally use in restoring BA's),  
I think they only make plain, and "A" suffix 10% parts.

If you're a puritan 'collector'. Then forget all the above, rewind all  
tapes to zero, and I'll bite my tongue. I don't collect the stuff, I use  
it, so I'm not averse to improving things as I fix them. I do tend to  
avoid anything that butchers the chassis irreversibly though....

Good luck!

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to build stuff" So... -  
+ for CNC info, don't email me, call -  
+ or email Ah-ha! directly. Thanks! -  
+ www.gdic.com/ahha email: ahha@gdic.com -



From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: Johnson Thunderbolt - the saga ends?  
Message-ID: <32884493.323E@millcomm.com>

William H. Launer wrote:

>  
> > Grounding problems.  
>  
> As Hank says, ground connections can be the root of many problems. Corrosion  
> is usually the culprit.

Oh heck...

I sent a response on that prob, and I forgot the corrosion thing too! I'm not so sure that a high impedance was the problem, although it may well have been.

I had a bizarre problem in a lab plasma etcher a few years back. This was a power osc with a pair of 6146's, RF exciting some gas in a 6" dia glass tube. The excited gas ions etch/strip something from an object you put in the tube.

Anyway, the thing never produced consistent results. In troubleshooting it, I could also never get consistent readings, and every once in a while it would just plain burn up a pair of tubes all of a sudden.

Well, after a few pairs of 6146's, I started thinking 'parasitic'. Normally, it ran at, I think, 13mhz or something, but had some selectable freqs/tanks. In poking around with a grid dip meter, every once in a while I'd get a reading at some bizarre frequency, but it always changed or went away.

I finally figured out that it was changing whenever I jostled the darn thing or had my arm on the side of the cabinet, flexing it.

I finally found corrosion on a copper strap, underneath some sort of washer. My theory is that it was copper oxide, and was acting as a rectifier, some sort of strange power 'mixer'! (180 watts or so. Now -there's- a 'high-intercept' mixer for you...) Never did figure out what was mixing with what though... Maybe both tanks were getting excited, I don't know. I don't want to think about it any more.....

Richard

--

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to build stuff" So... -  
+ for CNC info, don't email me, call -  
+ or email Ah-ha! directly. Thanks! -  
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
Subject: Johnson Viking  
Message-ID: <9611130027.AA22901@netman.ENS.TEK.COM>

Gang,

I've got my eye on a Johnson Viking that is is fair shape for \$90 and wondered if this was a good price? Judging by the tube lineup, 5-6146's, two for the modulator and 3 in the power amplifier, 6CL6, 5763(I think) and quite a few more common tubes that I should already have, I was thinking this could be quite an expensive item to bring back to life. I am not too familar with the 50's transmitters and have learned alot from the traffic here. Still, don't quite understand the purpose of an external VFO with this thing having one built in. Maybe it's just earlier models that were crystal controlled needing an external VFO or maybe it's just to get a more stable one????? I notices on one of the web sites (NQ5T's I believe) that he had a Viking II with an external VFO and I wondered why when it should have one built in.

It seems to me there are atleast two versions of vikings. This one has the large dial like the ranger (I always wanted one like that, too) and it covers 160-10 meters. Has as I recall 275 watts input and does CW/SSB and AM. I really want something to go with my Nationals and Hammarlunds and do some AM sometime as well as SSB.

Please excuse my lack of knowledge on these transmitters. So far all I've been repairing has been receivers. (HQ-180, -170, SX-71's, SX-62A,etc)

Terry

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: w2ec@VNET.IBM.COM  
Subject: Johnson Viking  
Message-ID: <199611130306.VAA08076@uro.theporch.com>

>Gang,

> I've got my eye on a Johnson Viking that is is fair shape for \$90  
>and wondered if this was a good price? Judging by the tube lineup, 5-6146's,  
>two for the modulator and 3 in the power amplifier,

>6CL6, 5763(I think) and quite a few more common tubes that I should already  
>have, I was thinking this could be quite an expensive item to bring back  
>to life. I am not too familiar with the 50's transmitters and have learned  
>a lot from the traffic here. Still, don't quite understand the purpose  
>of an external VFO with this thing having one built in. Maybe it's just  
>earlier models that were crystal controlled needing an external VFO or  
>maybe it's just to get a more stable one????? I noticed on one of the  
remainder deleted.....

Terry, what you have described is not a Johnson Viking, but a Johnson  
Viking Valiant. The problem is the Viking name used by two different rigs.

The Viking used two 6146's in the finals and two 807's as modulators. The  
Viking Valiant used the 5 6146's (two as modulators, three for the finals).  
The Viking had no internal VFO, it required the external or crystals. The  
Viking Valiant has a built in VFO (looks like a big Ranger!). \$90 for a  
Valiant is, to my way of thinking, a real good price, even if you had to  
replace all the 6146's!

There were actually 4 rigs, the Viking, the Viking II, the Viking Valiant  
and the Viking Valiant II. All, if I remember right, were 160 thru 10 meters  
(including 11 meters which belonged to us hams at the time!). The II models  
were just bringing the originals "up to date" with a few mods that had come  
about since the release of the original. Any model is a good model, but the  
Valiant, with it's 275 watts cw/200 watts AM and builtin VFO is more  
convenient to work with.

73, Ray      W2EC

From boatanchors@theporch.com   Tue Nov 12 22:39:24 1996  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: Johnson Viking  
Message-ID: <328938AB.74E1@millcomm.com>

Terry Burge wrote:

>  
> Gang,  
>        I've got my eye on a Johnson Viking that is in fair shape for \$90  
> and wondered if this was a good price? Judging by the tube lineup, 5-6146's, two  
for the modulator and 3 in the power amplifier,  
> 6CL6, 5763(I think) and quite a few more common tubes that I should already  
> have, I was thinking this could be quite an expensive item to bring back  
> to life.--

On the other hand.... if the tubes in it are good, then it's kinda cheap at  
\$90 isn't it??

Richard Hager

+ Ah-ha! Design Group, Inc. -  
+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to build stuff" So... -  
+ for CNC info, don't email me, call -  
+ or email Ah-ha! directly. Thanks! -  
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: Johnson Viking  
Message-ID: <01IBRXFRK8CY002VMR@ACS.EKU.EDU>

Terry Burge wrote:

>  
> Gang,  
> I've got my eye on a Johnson Viking that is is fair shape for  
\$90  
> and wondered if this was a good price? Judging by the tube lineup,  
5-6146's, t  
wo for the modulator and 3 in the power amplifier,  
>

... with that lineup it is not a Viking but a Valiant, and well worth  
\$90. The Viking uses two 807's as modulators, and two 6146's in the  
rf final (Viking II, anyway. The Viking has a 4D32 in final).

73, Al N5AIT  
modsteph@acs.eku.edu  
Allan Stephens  
Richmond, Kentucky

LOOKING FOR: SX-146, SX-112, HT-46

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: Kleronomos mods to R-390A's, why?  
Message-ID: <3287E4C1.71B9@ghgcorp.com>

Dan Martin wrote:

Hi Dan and list from a still rather-balmy-for-my-Yankee-blood Houston  
Texas.

> Good evening to all from cold northern Virginia! If this keeps up I may  
> have to swap out the stock audio deck in the 390A a little early this  
> season and put in the Kleronomos-modified deck to really put out some  
> heat in this basement!

Can someone please enlighten me as to what the Kleronomos mod is and what it is supposed to do? Is this to fix what I heard folks call "bad audio" from 390A's? For what it is worth, I hooked up my R-390A (Motorola 14-PH-56, Serial #935) to one of my home stereo speakers thru a 500:8 matching x-former and thought the audio to be very powerful, and very nice sounding. Am I missing something?

I'd appreciate any light y'all can throw on this subject! BTW, the R-390A is quickly becoming my favorite receiver for DX, but I still prefer the SP-600's for strong SW BC, followed very closely by the HQ-180. The only problem with the 180 is that it doesn't really have a wide enough IF setting for SW BC, which is most of my anchoring at the moment...

Thanks and 73,  
Ben

--

---

|                                 |                                    |
|---------------------------------|------------------------------------|
| From the computer of            | Collector of fine firebottle       |
| Benjamin D. Hall, Houston Texas | equipment, as well as other things |
| BDHall@GHGCorp.com -or-         | involving Earth, Air, Water, and   |
| BHall@GP802.JSC.NASA.gov        | Fire.                              |

---

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: Re: Kleronomos mods to R-390A's, why?  
Message-ID: <9611121740.AA05211@bock.ih.lucent.com>

My impression of my R390A was that the audio, when hooked to the appropriate impedance speaker, was OK, even had some bass, but was pretty wimpy -- it distorted if you turned up to room volume (and no, I'm not a rock guitarist, I don't try to shake the house with all that good ethnic world music I like to hear on SW BC).

So I got a Klerenomos (-mous?) audio chassis from a BA List member, and can now play it good & loud with pletny bass. More treble too, which can be a mixed blessing. But as someone remarked, on a local AM

station it sounds like FM in the 16 KC position.

Klerenomos' mod basically replaces the local audio output tube with a push-pull dual triode tube, 6370 or something like that, and an appropriate small output xformer that matches directly to 4 ohms, or maybe 8, so you can dispense with the matching unit and free up your vintage Halli speaker for another rx. His mod also rewires some of the inverse feedback in the local audio section to expand the freq response.

The Line Audio is left unaffected.

If your R390A is used mostly for hamming, comm monitoring, or chasing really tough SWBC DX, I'd say keep the stock audio, since you don't want the extra freq response. Unless you want more volume.

But I don't find the extended freq response a problem when using the narrower selectivities, so I'm not sorry I put the K. chassis in my set. You can modify your own chassis (after finding the output trans and the tube; rest of parts are easy) or get one already modified as I did.

In fact, I'd like to try the mod on my R390 -- its audio is really wimpy. Of course you can feed your Diode Load into an outboard amp, maybe a Dyna or Harmon-Kardon or Mac, and share your SW BC culture with the neighborhood :-)

73, mike k aa9rg

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: WPUL1130@CONCENTRIC.NET (LLOYD A. SCOTT, JR.)  
Subject: Meter Repair  
Message-ID: <3298fca1.55576235@NEWS.CRIS.COM>

Greetings Gang: A few nights ago some one was look for a meter repair station. There is one here in Florida, EIL INSTRUMENTS, INC. they are located in the Cape Canaveral Area (Brevard County) I have their invoice, however no return address or phone number on it. They rebuilt a RCA VU meter for my BC-3 Broadcast console and did a superb job. I am very happy and plan to send them a Gates Frequency Meter for re-build assuming they are still there. The last contact I had with them was 1-3-91. If there is a BA in Brevard County, maybe he/she could check the phone book and see if they are still listed. They could have been as far South as Melbourne.

73"s

Lloyd

"Where Destructive Maintenance Is Our Most Important Product"

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: WPUL1130@CONCENTRIC.NET (LLOYD A. SCOTT, JR.)  
Subject: Meter Repair  
Message-ID: <3299fd30.55719376@NEWS.CRIS.COM>

Greetings Gang: A few nights ago some one was look for a meter repair station. There is one here in Florida, EIL INSTRUMENTS, INC. they are located in the Cape Canaveral Area (Brevard County) I have their invoice, however no return address or phone number on it. They rebuilt a RCA VU meter for my BC-3 Broadcast console and did a superb job. I am very happy and plan to send them a Gates Frequency Meter for re-build assuming they are still there. The last contact I had with them was 1-3-91. If there is a BA in Brevard County, maybe he/she could check the phone book and see if they are still listed. They could have been as far South as Melbourne.

73's

Lloyd

"Where Destructive Maintenance Is Our Most Important Product"

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: WPUL1130@CONCENTRIC.NET (LLOYD A. SCOTT, JR.)  
Subject: Meter Repair - Followup  
Message-ID: <328b3f86.51486563@SMTP.CRIS.COM>

Good News Everyone: I have located EIL there address is (In Florida)  
EIL Instruments  
1335 Gateway Drive  
Melbourne, Florida (Zip Unknown)  
Phone: (407) 725.8300

73's

Lloyd Scott

"Where Destructive Maintenance Is Our Most Important Product"

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Mort Denison <mdenison@postoffice.ptd.net>  
Subject: Military manual TM numbers  
Message-ID: <32892133.1CBC@postoffice.ptd.net>

Could someone give me the military TM numbers for the maintenance manuals for the R390A and the TV-7?

Understand I can order them from Uncle Sam at their web site but I've been all through their site and can't find a cross reference of

boatanchors to technical manual numbers.

Thanks in advance

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Al Klase <alklase@prolog.net>  
Subject: Re: Military manual TM numbers  
Message-ID: <199611130229.VAA09457@ns1.ptd.net>

At 07:16 PM 11/12/96 -0600, Mort Denison wrote:  
>Could someone give me the military TM numbers for the maintenance  
>manuals for the R390A and the TV-7?  
>  
Field and Depot Maintenance Manual, Radio Receiver R-390A/URR

|                   |                   |
|-------------------|-------------------|
| Dept. of the Army | TM 11-5820-358-35 |
| Navships          | 93053             |

In the interest of completeness, 11-5820-358-10 gets you the operators manual and 11-5820-358-20 is organizational maintenance.

73, Al

Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: y4562@csra.net (Larry Louie)  
Subject: Re: Military manual TM numbers  
Message-ID: <199611130323.VAA08677@uro.theporch.com>

At 07:16 PM 11/12/96 -0600, Mort Denison wrote:  
>Could someone give me the military TM numbers for the maintenance  
>manuals for the R390A and the TV-7?  
>  
Field and Depot Maintenance Manual, Test Sets, Electron Tube TV-7/U,  
TV-7A/U, TV-7B/U, and TV-7D/U.

|                   |                   |
|-------------------|-------------------|
| Dept. of the Army | TM 11-6625-274-35 |
| June 30, 1960     |                   |

Hope this helps.



73, Larry

Larry Louie - WB6NYR

11111111

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Mini BNCs  
Message-ID: <m0vNRfW-0002FOC@e-tex.com>

Gang,

Seems like some interest on these items. I'll check'em out next month and probably get an assortment.

73 de Pete WA5JCI

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: wj5j@juno.com (John D Hensley)  
Subject: Misc. For Sale  
Message-ID: <19961112.115452.4671.2.wj5j@juno.com>

Good morning folks,

The following equipment is for sale. If interested please contact me via private post.

Heathkit SB-401 and SB-303, manuals. Very good condition. \$245 each plus shipping; sold as pair only. Covers 80 - 10 meters.

National HRO-M w/doghouse supply, 8 coil sets. Mint. condition. (9.5 on a 10). Original manual unavailable but can furnish good documentation. This is a display grade set. Minimum bid \$475 plus shipping.

Best wishes to all our veterans on this Veterans Day.

73, Doug WJ5J

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mack@mails.imed.com  
Subject: Museum Donations  
Message-ID: <9610128478.AA847843268@mails.imed.com>

I am a lot behind in reading digests so I'm just reading several posts about donations to the Smithsonian. It \*ought\* to be possible to make a donation contingent on the items being used for display within a certain time period and in a prescribed manner. If they don't agree to the terms they don't really want it. If they accept it and reinig, then your are within your rights to demand return. The idea of donations with strings attached is quite common in the world of donations to churchs.

Ray Mack  
WD5IFS  
mack@mails.imed.com  
Friendswood (Houston), TX

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Joe\_Wilkowski@mc.xerox.com (Wilkowski,Joe)  
Subject: Need an 866 A rectifier.  
Message-ID: <"<BD85883281B7677C>BD85883281B7677C@X-MC-0819-MS2.XEROX"@-SMF->

Help, anyone have a 866A rectifier they would be willing to part with.  
? Have a need for one for my Valiant.

Thanks

joe k8fc

joe\_wilkowski@mc.xerox.com

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: R-390A P-112 (and other BA connectors)  
Message-ID: <Pine.SUN.3.95.961112002556.20313A-100000@coyote.rain.org>

Don't forget that we have a friend at one of the largest surplus connector dealers -- and it's the \*owner\*. I'm speaking of Bill Perry in Louisville. Unfortunately, his family doesn't feel the same way, so it's necessary to speak to him personally. I got several of the rectangular connectors as used in the R-390A (and the R-392) from Bill within the last year (had to wait for him to come back from a trip so I

could talk to him).

William A. Perry Co.  
92 Beechwood Road  
Louisville, KY 40207  
(502) 893-8724

He's the only one in the bunch who really knows the old connectors.  
The rest of the family is more into the modern stuff. No commercial  
connection here, just a satisfied customer.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA ex-W6RIC

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: jproc@bellglobal.com  
Subject: R390 Identification  
Message-ID: <Chameleon.4.01.2.961112085141.jproc@>

Dear BA'ers,

Recently, another collector sent me some photographs of an American  
communications bunker in South Vietnam which has been preserved as a museum.  
He asked if I can identify some of the gear.

I see two variants of the R390. Not being familiar with this receiver, I  
need some assistance.

Example 1 - There is only a nameplate at the very top of the panel above the  
frequency readout dial. May I assume this to be the R390?

Example 2 - The nameplate has been relocated right over the frequency  
readout dial. There is a new control between the nameplate and the top of  
the panel. Is this the R390A?

Example 3 - Same as example 1 but the front panel is painted in a khaki  
colour instead of the usual grey. Was this specifically for the US Army?

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@bellglobal.com  
Radio Restoration Volunteer  
HMCS Haida Naval Museum  
Toronto, Ontario

-----  
  
From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: Re: R390 Identification  
Message-ID: <32893A9E.5338@ghgcorp.com>

jproc@bellglobal.com wrote:

Hi Jerry and list:

> I see two variants of the R390. Not being familiar with this receiver, I  
> need some assistance.  
> Example 1 - There is only a nameplate at the very top of the panel

Yep, R-390. Speaking of R-390's, just received new rack handles from  
Fair Radio in very nice shape for \$7 for the pair, and have a  
replacement power supply chassis on the way! She will play again...

> Example 2 - The nameplate has been relocated right over the frequency  
> readout dial. There is a new control between the nameplate and the top of  
> the panel. Is this the R390A?

Yep, R-390A, just like the Motorola that is playing Monitor Radio  
International at this very moment. (What a nice set!) The new control  
isn't new, it is just the antenna trim knob moved to that position.

Not quite sure about 3#, but assuming Army for the khaki colored one  
would be my guess as well!

73,  
Ben  
--

-----  
From the computer of | Collector of fine firebottle  
Benjamin D. Hall, Houston Texas | equipment, as well as other things  
BDHall@GHGCorp.com -or- | involving Earth, Air, Water, and  
BHall@GP802.JSC.NASA.gov | Fire.  
-----

"When you clock the human race with the stopwatch of history, it's a  
new record every time."

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996

From: Ronnie Hull <larebel@ms1.nwla.com>  
Subject: Ranger II woes  
Message-ID: <1.5.4.16.19961112192327.1d4f39a2@ms1.nwla.com>

Hi ya'll  
got a nice RangerII in the mail yesterday. I need some advice on it.  
It has no drive present at all. I get no current indication on the meter  
in either the buffer or grid positions. I have about 40ma of plate current,  
and the idleing modulation current is about 50ma's. A crystal makes no  
difference. I did check and there is 630volts of B+ coming off the filter,  
but none on the plate of the 6146.

does this rig need jumpers across the socket on the back of the chassis? I don't  
have a manual for this rig.

any suggestions fellers?

Ronnie WB5AIA  
lareble@ms1.nwla.com

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: w2ec@VNET.IBM.COM  
Subject: Ranger II woes  
Message-ID: <199611130312.VAA08247@uro.theporch.com>

>got a nice RangerII in the mail yesterday. I need some advice on it.

Ronnie, I don't have a Ranger, but I do have a Valiant and it has several  
plugs with jumpers on the back panel that are required to route the voltages  
properly. The purpose of the jumpers are to add external gear like an SSB  
adapter, amp, use the rig PS to power other gear, etc. You really need to  
get yourself a manual for this one, although I expect someone will jump in  
and tell you if the Ranger has the same plug/jumper needs as the Valiant, and  
can probably also offer access to a manual copy as well.

Good luck & 73, Ray W2EC

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: scotgray <scotgray@cwnet.com>  
Subject: Ranger Questions Answered !  
Message-ID: <3287FBE6.5394@cwnet.com>

Again thanks for all the replys in my quest for Modulator resting  
current problem and Paint Matching for my Ranger (non-II).

As for the paint: I haven't painted it yet. I bought 1 quart at a local hardware store; True Value Hardware. I tried Sherwin-Williams in Placerville. They saw the sample Knob and the case, told me I would have to drive to Sacramento (about 40 mi) to the "main store" and leave my precious knob and case for at least a day! No way! On a lark, I stopped by my overpriced but well staffed True-Value store. They had a PC and optics type box along with a large shaker/mixer and a elaborate paint distributor. I gave them the knob and they mixed a batch of ugly gray color.... Next they sampled the case and we got a perfect dark maroon match. 1 quart was 9.95 (add tax). The machine locked in on the glare on the knob giving the ugly gray first mixture. My advise would be not to overpolish the sample. I'll gladly pass on the remaining paint to a local (El Dorado County, Sacramento Area YOU pick up) BA'er. It would probably cost at least 10 bux to bottle, pack and ship touch up to everyone who asked. I don't know how much will be left especially afte a few "practice" shots on some cardboard.

As for the modulator resting current. Since this Ranger was a very early unit, a cathode bias resistor of 200 ohms was used instead of the traditional 6AL5 grid biasing. I just completed building a adequate - voltage bias supply: Took two 1N4007's put them paralell with the 6AX5 low voltage rectifier transformer secondary then used a 10K 25 watt resistor in series with the full wave diodes to a 2 watt 680 ohm to ground. Shunted the 680 ohm resistor with a 1,000 uf 50uF cap and two 15 volt zener diodes in series from Radio Shack (getting desperate here). Got a clean -29 volts to the once grounded center tap of T3 secondary. Removed the 200 ohm cathode resistor and replaced with a piece of insulated solid #22 to the meter shunt. Adjusted the big screen bias resistor tap until I had a resting current of 50 MA. Works!! The 1614's are cooler too. While I was in there I cut the 500 pf cap across the mic gain pot out and took the .02 paper cap (shorted anyway) from the 12AX7 to the grid of the 12AU7 and replaced with a "orange drop" .01uF. Will have to do more experimenting here to tailor the audio. Pulling the .02 cap from the modulator output secondary really "brightens" the AF, but I tacked it back in as the highs were really pronounced when I did that. (Using a EV 611 "mercury" mic). Again have to taylor the AF a bit, but don't want to get too radical.

Thanks to all for the input! It has been a busy holiday, just got a "brand-new" HQ-180AC w/ S200 speaker yesterday! It was a retirement gift for a friend, he never turned it on, just let it sit in the box since 1972. Sold it to me (fair price, no giveaway) after many attempts to swap for it, buy it, beg for it. Finally he decides on a new solid state rig and wants the cash (or was it because I threatened to date his daughters?). See ya maybe 7290 or 3875 +/-.

Vy 73 es TNX!  
Scott KD6CQ

2B/2BQ,R4C,R388,75S3,HQ-160,HQ180AC and gettin' heavier!

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Jack Ray <k4mzw@akorn.net>  
Subject: Shack Sale....  
Message-ID: <328880DF.3218@akorn.net>

Hi Gang, Now that I finally have your attention on the Fluke meters!  
:>)) :>) :>)

Here is the scoop:

I bought these in a deal to get something else and thought I could possibly sell them or trade them at a hamfest. I discovered they are "over the head" of the typical Fleamarket attendee (present company excepted). So I'm stuck with 10 of these puppies. I am not making any profit on these so, no flames, please! If you need one this is a good deal.

They are A/C D/C "differential" voltmeters with their own internal 110/220 volt power source. They work by comparing an unknown voltage to the known voltage and read out a series of voltage ranges from 0.001 to 500 AC and 0-1100 volts D/C. All of them have Government Calibration tags attached but I have not tested them. I have no power cords or probes but they appear to accept the common computer power cords. I do have a small portion of the manual so you should have no problem using them. THIS IS NOT AN A/C D/C MULTIMETER, and doesn't function like one.

These guys weigh 15lbs each so the shipping will be more than the cost of the meter. I will sell these for \$ 19.00 each shipped to your door via UPS. I will accept checks or money orders for them. Leave me a message here before mailing your check, and I will let you know when they are gone.

Regards..... Jack <http://www.eswitch.com>

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: wb6zwc@ns.net  
Subject: shaded pole motors  
Message-ID: <199611122324.PAA14916@tomcat.ns.net>

What is it? What do they do?

On my Collins 20V3 there are two shaded pole motors for cooling the 4-400's. They are fried. I found two new replacements that are still made by the same company. They turn "clock wise" and the old burned out ones turn "counter clock wise".

Proposal based on current information: pull the armatures from the old motors, "counter clock wise" variety, and put them into the new frames. Problem solved!

I am not going to say another word as to why I think this will work.

=====

Richard@Sacramento

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: vancleef@netcom.com (Henry van Cleef)  
Subject: Re: shaded pole motors  
Message-ID: <199611130346.UAA27752@netcom22.netcom.com>

As wb6zwc@ns.net discourses

>

> What is it? What do they do?

>

> On my Collins 20V3 there are two shaded pole motors for cooling the 4-400's.

> They are fried. I found two new replacements that are still made

> by the same company. They turn "clock wise" and the old burned out ones turn

> "counter clock wise".

>

> Proposal based on current information: pull the armatures from the old motors,

> "counter clock wise" variety, and put them into the new frames. Problem solved!

>

> I am not going to say another word as to why I think this will work.

>

Yes, if the coil/armature is symmetrical on both sides, you can turn it around and remount the armature bearing holders. Watch for problems with the coil wires, unless these come out in the same plane as the armature laminations.

The shaded pole setup is very common in small motors. The "shades" are shorted-turn loops that prevent flux density from rising in the section of the armature they are wrapped around. This causes the magnetic field to "walk" in time as each half-cycle magnetizes the core, giving a starting torque. Physically turning the core around will put the shades on the other side, so the rotor will turn in the opposite direction. The amount of starting torque is quite low, so these motors should be started essentially unloaded, the type of load



presented by a fan.

Other starting methods for single-phase AC motors are split-phase (two windings, (one wound with fine wire, so high inductance high resistance), capacitor (capacitor makes phase angle lead), and induction-repulsion (uses brushes and transformer effect in rotor). Except for the induction-repulsion setup (very common before about 1940, but supplanted by capacitors), the magnetic field "walks" as the supply voltage rises. Except for modern capacitor start-run motors, a centrifugal switch mechanism is needed to switch out the starting setup (and short all the rotor bars in induction-repulsion). Shaded pole uses no switch, but the shades cause losses while running. Probable cause of "cooking" the old motors was failure to come up to speed. Current draw goes down, and torque increases---both quite dramatically---as you approach synchronous speed.

--

=====  
Hank van Cleef

E-mail [vancleef@netcom.com](mailto:vancleef@netcom.com) or [vancleef@tmn.com](mailto:vancleef@tmn.com)  
=====

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Tue Nov 12 18:40:28 1996

From: "Unger" <[junger@usgs.gov](mailto:junger@usgs.gov)>

Subject: SP-600 question (yet another...)

Message-ID: <961112091123.ZM29006@junger6141>

I have recently acquired a mint SP-600-JX-37, serial # 20854. I don't recall seeing reference to the JX-37 "model" before. Can someone please enlighten me as to what might distinguish this model from some of the other, more familiar JX-series?

By the way, it plays beautifully, and a quick look underneath didn't reveal any "black beauty" caps. Also, I really owe the XYL; she helped me carry the beast to my upstairs shack from the car...

tnx es 73 - John, W4AU

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From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Tue Nov 12 18:40:28 1996

From: [mknudsen@lucent.com](mailto:mknudsen@lucent.com)

Subject: Re: SP-600 question (yet another...)

Message-ID: <9611121800.AA05248@bock.ih.lucent.com>

Lucky you! Your -37 must have been built late enough that it uses ceramic discs instead of the Black Bombers. Don't know offhand what the -37 means. -21A is the version with built-in SSB a la HQ-170/180.

My XYL is willing to help me carry radios OUT to the car only, before a swap fest. 73, mike k aa9rg

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: Re: SP-600 question (yet another...)  
Message-ID: <9611122013.AA05380@bock.ih.lucent.com>

Bob Fowle asked me to post this info on the SP-600-37. Looks like the original poster has a really nice set on his hands, being a 25-cycle -21.

>From hammarlund@jacksonmi.com Tue Nov 12 13:10 CST 1996

The factory info says:

JX-37

This receiver is same as JX-21 except for the 25 cycle power supply. Receiver uses side brackets Pt. No. 31146-2 & 3, chassis plate P-31420-2, transformer Mtg. plate K-31481-1, power transformer P-31029-3 and cover plate assembly P1-31476-2.  
Pt. No. 37 & 38 added 3/28/61 (this refering to the JX-37/38)

Yours has evidently been converted to run 50-60 cycle.....

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Mike Flicinski <k2uxe@ibm.net>  
Subject: Swan 350, 500 and sweep tube life  
Message-ID: <32881B0C.3DF0@ibm.net>

I ran a Swan 350 for many many years with a pair of 6HF5's that came with it. It put OUT 210 watts when I got it and I bought a new matched pair of Sylvania tubes which were reputed at the time to be the replacement brand of choice.

When I sold it after owning and using it regularly (including mobile) for FIFTEEN years I threw in the unused new tubes. The GE's which were in it when I bought it still put out 210 watts.

Mike K2UXE

k2uxe@ibm.net

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: RE: Swan 500C  
Message-ID: <9611121642.AA05163@bock.ih.lucent.com>

As another data point on value of a 500C --  
I recently bought one at the Greyslake IL hamfest and paid  
a bit more, like \$250. This one is really clean, included original manual  
(albeit a 500 CX manual) and a not so clean but working Turner style  
mike. Seller said it was working, and no lie. I haven't done diddly  
with it except operate it, both SSB and CW.

I think \$250 for a rig with at least 50% more power than the average  
pair-o-6146s job and such good tuning feel and sound is not bad at all.  
Especially if it had the VOX unit, which mine unforchly does not.

If you got a working 500C for \$150 you got a real buy,  
even better than the Drake and Heath bargains. 73, mike k aa9rg

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: JD Delancy <k1zat@bah.com>  
Subject: Re: Swan 500C  
Message-ID: <3288B099.442@bah.com>

Mike

> included original manual (albeit a 500 CX manual)

I have the original manual for the "C", want a copy  
or are you satisfied with the CX version?

> Especially if it had the VOX unit, which mine unforchly does not.

The VOX unit and a remote VFO definately made the  
"C" a versatile radio. Still got both, while my  
brother uses the basic "C" to learn code off the air.

jd

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: jml@innercite.com (Jim Lockwood)  
Subject: Swan power supplies

Message-ID: <199611120309.TAA02415@spider.innercite.com>

Gang,

Since the whole subject of Swan radios has come up, this seems like a good time to wonder aloud about something that puzzles me.....the ubiquitous XC-117 AC supply.

Unless I've misread the ads, this one supply was used with everything from the modestly powered Swan 250 up to the 500s and 700s.

Now knowing that the transformers in some rigs, the HT-32/37 and GSB-100s come to mind, are on the weak side, I'm wondering how well suited the XC-117 is to the job of powering the Really High Power Swan radios.

Does this supply become the weak link in the chain at the high power levels or is it really up to the task?

Expiring minds want to know...

Jim - km6nk

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: mknudsen@lucent.com  
Subject: Re: Swan power supplies  
Message-ID: <9611121658.AA05189@bock.ih.lucent.com>

All I know is that the PS on my 500C doesn't seem to get all that hot, which is a lot more than I can say for the PA compartment!

OTOH, maybe the demise of long-winded AM "broadcasting" is due in part to wimpy power supplies :-) 73, mike k aa9rg

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: Larry Godek <AZCOT@gnn.com>  
Subject: USS TENNESSEE Logs  
Message-ID: <199611120345.WAA00831@mail-e2b.gnn.com>

After posting a message concerning USS Tennessee log sheets I have come across, it was suggested by one of the folks here that I make copies and offer them to BA folk for use in their station. I haven't done anything about it yet but if there is some interest, I'll get some made up and available for some of ye ol' salts.

Larry Godek W00GH  
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Tom Norris <badger@telalink.net>  
Subject: Who wanted KWM-2 Filter??????  
Message-ID: <3.0b33.32.19961112171757.006bd0a8@telalink.net>

Had a disk crash over the weekend, and have lost  
the address of the gentleman who had wanted me to  
send him a Collins filter for his KWM-2.

You out there somewhere???

Drop me a line.....

\*\*\*\*\*

Tom Norris KA4RKT

badger@telalink.net Nashville, Tennessee, USA

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Eagles may soar, free and proud, but weasels never get sucked into jet  
engines.

\*\*\*\*\*

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: Larry Wolken <rhys@ix.netcom.com>  
Subject: Re: WTB Collins Filter for 75S-1  
Message-ID: <1.5.4.16.19961112214830.485f9b7c@popd.ix.netcom.com>

In search of Collins mechanical filter F-455-Q-05 p/n 526-9367-00

In plain English I've got a perfectly good 75S-1 which I love to listen to  
every night (I still say it's got the best sounding AM I've ever heard).  
Only problem is no CW filter. Anybody got one laying in the drawer that  
they're willing to part with reasonably?

I'm hoping to have some luck here because it's hard for me to check into the  
Sunday Collins net. Thanks guys.

73

Larry Wolken (N30JD)

a.k.a. Dr. Electrode  
voice (202) 291-9303

From boatanchors@theporch.com Tue Nov 12 07:55:55 1996  
From: emil switzer <eswitzer@atl.mindspring.com>  
Subject: WTB Modulation Transformer  
Message-ID: <199611121320.IAA09138@answerman.mindspring.com>

I am looking for a modulation transformer in the 300 to 500 watt range. I need to modulate a pair of 813's. Will probably use triode connected 813's as the modulators. Anyone got anything they want to sell that might be suitable.

73, Emil  
Norcross, GA

days 770-263-9200 ext 2576  
eves 770-368-0961

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: "Mike O'Brien" <mobrien@lib.drury.edu>  
Subject: WTB: T-32 microphone  
Message-ID: <9611121444.AA22750@lib.drury.edu>

Thanks to the encyclopedic knowledge on BA (most especially that generously shared by Andy, WA4KCY), I now know that the late 1930s-1940s microphone I've been seeking -- and describing as looking like the old candlestick-style upright telephone -- is properly called a T-32 in military-speak. If anyone has or knows of one that is available, I remain in the market...

73, Mike, KOMYW

Mike O'Brien (mobrien@lib.drury.edu)

From boatanchors@theporch.com Tue Nov 12 18:40:28 1996  
From: Al Klase <alklase@prolog.net>  
Subject: XEROX 1038 - HELP!  
Message-ID: <199611121904.OAA03406@ns1.ptd.net>

Anchorites,

This is a little off topic, but most of the manual copies I've sent out to list members, almost always free, were done on this machine.

Where does the DEVELOPER (not toner) go into this machine? Package sez "to be installed only by a Xerox Technical representative." (fat chance!) Does anyone know a reasonable source for servicing documents and parts?

Any help appreciated,

Al

Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Tue Nov 12 22:39:24 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: xtals needed  
Message-ID: <328940DC.217F@ghgcorp.com>

Hi folks, picked up a Collins Xtal controller aircraft receiver for pilot friend of mine not yet into boatanchors, and need some of the following xtals (CR-23 type) for some of the local airports...

55.825, 56.500, 58.650, 63.700, 59.150, 60.125, and 63.263 MHz. If anyone can help me help my friend out, I'd appreciate it! Figured I'd try y'all's collective junk box before I call up JAN to have them custom made.

Thanks and 73,  
Ben

--

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From the computer of                   | Collector of fine firebottle  
Benjamin D. Hall, Houston Texas | equipment, as well as other things  
BDHall@GHGCorp.com -or-           | involving Earth, Air, Water, and  
BHall@GP802.JSC.NASA.gov       | Fire.  
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"When you clock the human race with the stopwatch of history, it's a new record every time."